SEQUENCE LISTING


<110> EXONHIT THERAPEUTICS SA


<120> Identification of diagnostic markers for Communicable subacute spongiform encephalopathies


<130> 3665-178


<140> PCT/FR2004/002892

<141> 2004-11-10


<150> FR 03 13275

<151> 2003-11-13


<160> 26


<170> PatentIn version 3.1


<210> 1

<211> 191

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 1
ggtgtggagg tgttcaaagg cattgacaat cggactcaga aagtagtcgc cataaaaatc    60

attgacctgg aggaggcaga agatgagatc gaggacattc agcaggaaat cacagtgctg   120

agtcagtgtg acagtcccta cgtaaccaaa tattacggat cctacctgaa ggacactaaa   180

ttgtggataa t                                                              191


<210>  2

<211>  244

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  2
tatctgcaga atttcccctt gagaagcgtt atggggtgca ggtaagttat tacacaagag      60

aaagaagttt tcttactaac agcaagatta atggcacaat tcaaccaaaa ctcatataca     120

ttttactgct taatttacat attattttgg tggaaaaaat agtattcttt attctttcag     180

tttctttatg caaaaataca cttctacagg gacatcactt agatgttatg caaacctccc     240

cccc                                                                     244


<210>  3

<211>  325

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  3
gagacatttg gccaaaagag gaatttccag gacaccaaca acatccatta ttccattatt      60

catttgtttc ctgaagagca aacacttcct tgaaattctt ctcaaattct gcctccagtc     120

taagccccat ttggccaaaa tcattgaact tgaaagatgc cctgtggttc tgaaagatga     180

gacgcatgtc ccacacaaac ccttccacat tggagtagcc ctgctcattc agcctcttct     240

tgatcttgtc cagccacatg ggctccttga ggttttttaga agcctctttc atataataat     300

aatagggaat cctcactata acgct                                             325

<210> 4

<211> 688

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 4

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aagcgttatg caggtaggcc gacaaggcga agtgggatgc cggagagcgg ccgagttatt      60

gctccgagga gaccacgttc accggttact atggcgaccg ccccatcccg gatcactatc     120

agccgttcac cgccgatgag gcgacgtggt tccagctctg ggagacggtg agcgagggca     180

ctcctacgtc gccgcccttc gcgacgattg aggaactggc agcctacctc gccgagtggg     240

gcgacttctg tgatcacagg cgcgccgtcg agtccatgga cgcgcgcgag attgagcgcc     300

tcctgacgct gaatgaccgg cactagttca aggtgcggct gggggcagca gcgcgcctaa     360

gctttctgca agactggctg ggcgcccagc atgatggtcc gcggcggcga gatcctgacc     420

aaccctgggg acatggtgtc gtcgtgaccc tcgcctagct ctctcacaca cctaggagga     480

agagatgacc accccaaca ttcgcggcca cgagaccgaa gccaaggccc gcaaggcggc     540

gatgaagtgg ttcaccttca cggacggcac caagcctgtc gagggcgtcc acttccacat     600

caagcagaac cacttcgggc tctggacctt ccgggagggc ccggctccga agtccgccgg     660

accccgcatc actcataacg cttctcaa                                       688
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<210> 5

<211> 373

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 5

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agaagcgtta ttgctgatac ccgctacatg ttctccaggc ctttcagaaa acatggagtt      60
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gttcctttgg ccacatacat gcgaatctac aggaagggtg atattgtaga tatcaaggga      120

atgggtactg ttcaaaaagg aatgccccac aaatgttacc atggcaaaac tggaagagtc      180

tataatgtca cccagcatgc tgttggcatc attgtaaaca acaagttaa gggcaagatt       240

cttgccaaga gaattaatgt gcgtatcgag catattaagc actctaagag ccgagatagc      300

ttcctgaaac gtgtgaagga aaatgatcag aaaaagaggg aagccaaaga gaaagggact      360

tggggttaac acc                                                          373


<210> 6

<211> 235

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 6
gggcggaggt caccctgggg atcctccagg gccaggccct ggcacaactc gtctccatca      60

cacagatggg ccgtcgcctg gtcgtggctc tcaggagtca gaccggaaaa agccagccct      120

ggggcaacca ggagcaccga ggtgatgagc aggacagccc aggaggtcat gttgaggcag      180

ctgaaaggtc tgtgcaagtc aatcatgaag aaatttctcc gtaccatcac ctccc           235


<210> 7

<211> 285

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 7
cttgtgtagg cagaggttcc agggtcagtg gaggaagcag catcacagcc agatccatgg      60

ttggggggatg gccacgggaa atgacttggt gactgactct gatctcagag tgggacaggc     120

tgacaggcat ctgggaattc cgggcaaggt caggcacgta ttatagaaga gcaaacacca    180

atcccaaaat atcctcagga atcagcgcat gagccccttc tggctcctgt gatggatgat    240

gaggcccagc ccaaggaaga tcagccccag cacaaagcct ccaac    285


<210>   8

<211>   235

<212>   DNA

<213>   artificial sequence


<220>

<223>   marqueur ESB

<220>

<221>   misc_feature

<222>   (44)..(85)

<223>   N = A, T, G or C


<400>   8
tctgcagaat tcgcctctga gaagcgttat ccgttggacc caannnnnnn nnnnnnnnnn     60

nnnnnnnnnn nnnnnnnnnn nnnnncaaga gaaaagatca gagggtgctg gtgtgacgtt    120

taagtaggaa aaggcctgga aggtgagtcc atcaaccgcg gagacaaaag tgggcccggc    180

tccttccaca ggtgccgact gatgctgcca gttcacggtc agtgtgggtc aacac    235


<210>   9

<211>   400

<212>   DNA

<213>   artificial sequence


<220>

<223>   marqueur ESB

<220>

<221>  misc_feature

<222>  (18)..(57)

<223>  N = A, T, C or G


<400>  9
aagcgttatt tagataannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnntac     60

acccagagta ttccatagtt tgatggtttt gtctcgggag ccagagacaa tttgccggtt    120

gtcagaagag aaggccacac tcagcacatc tttggtatgg cctacaaatc ggcgagtggt    180

ggtgcccgtt gtgagatccc aaaggcgaag ggttccatcc caggagcctg agagggcaaa    240

ttggccatct gaggaaatga ccacatcact aacaaagtgg gagtgacccc gaagagcacg    300

ctgtgggata ccatagttgg tttcatctct ggtcagcttc cacataatga tggtcttatc    360

tcgagaggcg gacgatatca tgtccgggaa ctggggagtg                          400


<210>  10

<211>  397

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  10
gggccagggg atgatatgaa tgtcacagga ggagacacct tctgtctttg tttcaaagaa     60

agttgatgtg ccatttgtta atatacaaga gaaatattga aaatatattg aaaagagcaa    120

ttttaaatta tttttggctt atgttgcaat atttattttc ttgtattagg aaagattcct    180

ttgtagaaaa aaaatgtatt tttcattaac gcaaaaacct atttctcctt tttgtacatt    240

gtccatgttc gctaccctta acgagcaata gaatgtatgg ctgcctcggg gtggccggtg    300

cccgcgtgcc ctgcatgatt ctgtggtccc accaccatgt agctcccagt cccatcctgt    360

cctgctcact catggggggtt tccagagcct agccccct                           397


<210>  11

<211>  397

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 11
tggattgcag gtgactgaga aaaccatcga ggacagtttt taaggggtca ctgagccagg    60

agcaaatgag atcctgagaa agtacttcat tgtggaagag ttagcactaa gcaggaaacc    120

tttccatgct gtgaagaagc tgggacagaa ggttcttcct tgagtgtgac catcttcact    180

tcagctcagg agccctgttg gctgaagtgt agggcgtcct ttctgattcc tgaagtatat    240

ttattagccc cacggcaagg aagaacagac tcagaacgaa gcccccgact ccactcatca    300

tcttgctctg agcagagtca gaccgtgccc tccattctac tgtgataggg cttgtctggc    360

tggggtgctc cacttggcaa gtgtagacct ggcacca    397


<210> 12

<211> 454

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (435)..(446)

<223> N= A, T, C or G


<400> 12
gctgtccaaa aaggcctccg ttatggaata attctttta ttatctccga agtactattc    60

tttaccggat ttttctgagc tttctaccac tcaagcctcg cccccacccc tggggggaggc    120

ggctgctgac ccccaacagg cattcaccca ctaaacccc tagaagtccc actgctcaac    180

```
acctctgtcc tattggcttc cggagtttct attacctgag cccatcatag tttaatagaa      240

gggggaccgaa agcatatatt acaagcccta tttatcacca tcacattagg agtctacttc      300

acactactac aagcctcaga atactatgaa gcacctttta ctatctccga cggagtttac      360

ggctcaactt tttttgtagc cacaggcttc cacggcctcc acgtcatcat tgggtccaac      420

aaataacgct tctcnnnnnn nnnnnntgca gata                                    454
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<210> 13

<211> 219

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (47)..(140)

<223> N = A, T, C or G


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<400> 13
ggggaggtat ctgtcaccca cgcagaaatg cttctgacag gcggcannnn nnnnnnnnnn       60

nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn      120

nnnnnnnnnn nnnnnnnnnn cttggccgaa aagcctgagg tagtctcggc ggcagagctt      180

ccggcccagc ttgtagtaga ggcgccggcc cacctaccc                             219
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<210> 14

<211> 386

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 14
gaagcgttat tggaggaggc taacctagga gcagaggatc agttcacgaa gagcgagcgg      60

gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc     120

ttcatgtggg agacgcagta gtcggcttgt tcccgagtca agttctggta cagctcctcc     180

ttggtcacat aaggcttccc ttcagagctc acggcccgga aggcgctctc aatctcctcg     240

ctggacttga cgttctccgt ctcacggctg atcataaagg acatgtactc ttgcatggag     300

acgtggacgt ccctgttagg atccacagtg tccaagatgg actcgaactc aaggtcgggc     360

tccccttcct ccaacatggg caggtc                                         386


<210> 15

<211> 472

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 15
tctgcagaat tcgcctttga gaagcgttat gggggcgagg tggtaaagga agcttacaaa      60

acaactattc tttaaaaaaa aacaaaaaaa caaaaaaaca aaaacagca aaagccaacc     120

ggcccaattt tgtctccagt tttcaacgtg tgctttcgag catttcagct gtttccagtt     180

actttagttt ccagatatta gtcttccatt tagtttttaag actaaatctc acttttggat    240

aaacacaagg aaatatttta cttgctgaaa aatcacttta ctggataaag ttacctctta    300

tgcctttcag ttttctaatc caactttctg acaaccagtg gtaattagga agttctaagt    360

tgcagttgtc cctatgactt tgggcttccc tggtggctca gctggtcaaa aatctgcctg    420

caatgcggga gacctccacc ccataacgct tctcaaaggc gaattctgca ga            472


<210> 16

<211> 424

<212> DNA

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ttgagaagcg ttattgtggg gaggtcatag ttgatgacta aggaaacttg ctgtacatca     60

atacctctgg ccagtaggtc agtggtaatc aatactctgc tggagccaga gcggaactcc    120

ctcatgataa cgtctcgttc tttttggtcc atgtctccgt gcatggcaga gacggtgaag    180

tctcgggcat gcatcttctc ggtgagccaa tccaccttcc ttcgggtgtt gatgaagatg    240

actgcctggg taatggtcag ggtttcatac aagtcgcaca gtgtgtccag cttccactcc    300

tctcgttcca cattgatgta gaactgacgg ataccctcca gcgtcaactc ttccttcttg    360

acaagaattc taattgggtc cctcatgaac ttcttggtca cctcccgccc ataacgcttc    420

tcaa                                                                 424
```

```
cttgtatggt gtatggaagt tacttggtaa atccagaatc aggatacaat gtctccttgc     60

tatacgacct tgaaaatctg cctgcatcca aggattccat cgtgcatcaa gctggcatgt    120

tgaaacgaaa ctgttttgcc tctgtctttg agaaatactt ccagttccag gaatgagggc    180

aaggaatgag agttaggggc agttatccat tatagggatg atgagaccat gtatgttgag    240

tcaaaaaaag acagagtcac agtagtcttc agcacagtgt ttaaggatga cgacgatgtg    300

gtcattggaa aggtgttcat gcaggagttc aaagaaggac gcagagccag ccacacagcc    360

ccacaggtcc tcttcagcca cagggaacct cccttagagc tgaaagatac cgatgccgcc    420

gtgggtgaca acattggcta cattaccttc gtgctgttcc ctgccccaat ataa          474
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<210> 18

<211> 372

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<220>

<221> misc_feature

<222> (362)..(368)

<223> N = A, T, C or G


<400> 18
ccagtgtgtt gcccctgaga agcgttatat gcggtagtga ggggaatttc aattacatcg     60

agttcacacg catccttaag catggagcga aagacaaaga cgactaaaaa gaacttcaaa    120

ctccagccaa acgttccttg ttgccactct gggtatttct gagactttct cttagagcct    180

gttgcatgcc cttagcttta cagcttctgc ctttcttttg tatttattct cagccatttg    240

gggcacatgc atctctataa tcagactgga tatgggactt cttgtcattt taagagtaga    300

aaatagggta atttaactta ccagctgccg tctaccctcc cccaaagtca taacgcttct    360

cnnnnnnnca gc                                                         372


<210> 19

<211> 535

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 19
tctgcagaat tcgcctctga gaagcgttat gctgagaggg gggactggaa gctttgctga     60

tatttactca atattcacaa ggggcctgtg taatgtgttt cacaggtagt gctaatgctc    120

aatgcaagat gcatttcagc cttgtaattc cttttcatttg agtctttgaa ccatgtccaa    180

tgaaccagag ctcaaactaa tcaattttgt agttggtatt tgttggaggg gaggcaggca    240

tggacagcaa tagggagtga gctggagaga tgctttgcta accatagtaa actgtgaaaa    300

aatagttact tcctgaaaaa aggaaatatt cttgagagca ccttcataat gtcatcaaat    360

acatggctaa atacattgtc ttgagcctcc ttcctaatgt ttcttagttt tttttcatat    420

tccatcttta gtaattcaat ttcccccctct ttttcctgca taatcttctc gcatgcttga    480

gcacactcct tttccacttt ttggatttcc atttctaatt gatcaatata tcttt        535


<210>  20

<211>  527

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  20
agaagcgtta tcgggtaggc taacctagga gcagaggatc agttcacgaa gagcgagcgg    60

gtgaactcga cgtagtcaaa agcagtgggg agttcgcggc ccttgctgtc cacgtagggc    120

ttcatgtggg agacgcagta gtcggcttgt tcccgagtca ggttctggta cagctcctcc    180

ttggtcacat aaggcttccc ttcagagctc agggcccgga aggcgctctc aatctcctcg    240

ctggacttga cgttctcggt ctcacggctg atcataaagg ccatgtactc ttgcagggag    300

acgtggccgt ccctgttagg atccacagtg tccaggatgg cctcgaactc agggtcgggc    360

tccccttcct ccaccatggg caggtcatag cccagggagc gcagacagga tttgaactcc    420

tggtggttca gccggccaga cttgtccttg tcgaagtgtt tgaacatcat gctgaattct    480

ttgagggcct tacagataac gcttctcaaa ggcgaattct gcagata              527


<210>  21

<211>  546

<212>  DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 21
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gagaagcgtt atggcgggga ggtaccgaaa gcacagtaat cactggtgtc gatattgtca      60

tgagccatca cttgcaggaa accagcttca caaaagaagc ctacaagaag tacatcaaag     120

attacatgaa gtcaatcaaa gggaaacttg aagaacagag accagaaaga gtaaaacctt     180

ttatgacagg ggctgcagaa caaatcaagc acatccttgc taatttcaaa aactatcagt     240

tctttattgg tgaaaacatg aatccagatg gcatggttgc tctgctggac taccgtgagg     300

atggtgtaac cccatatatg attttcttta aggatggttt agagatggaa aaatgttaac     360

aaagttggca gttactttgg atcaatcacc tcccccccat aacgcttctc taatgcttat     420

tcatgcagac aacaccagga cttagacaga tgggactgat gtcatctcga gctcttcatt     480

tgttttgaac gttgatttat ttggagcgga ggcattgttt ttgagaaaac gtgtcatgta     540

ggtccc                                                              546
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<210> 22

<211> 310

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 22
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ggggtaggtc aaaaaaagtc caaaccaaaa acaaaacctg ccaaaaccaa caaaaaacct      60

ccgaaatctg aagacaactg aatcaatccc tgcagtctca ctttctcttg gaaagaaaag     120

ttggataatc caaccctttt acaaaggata atacaagggt gacagttcca agctctcagg     180

aacagggtct tagacgcttt tggaggttga gaggcacaaa acggcagtct gaaaattcct     240

ttcatctcac ggcactgatt gagtttagac ttgatttctc ctcccctacc tacccgatat     300
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aacgcttctc                                                                310


<210>  23

<211>  151

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  23
gaagggcagg cgcgaaaggc agctacagcc agtgagaaat cagatggcat ttacacgggc     60

ctgagcaccc ggacccagga gacttatgag accctgaagc atgagaaacc accacaatag    120

ctttagaaca gatgcccttt gtcacttcct t                                   151


<210>  24

<211>  379

<212>  DNA

<213>  artificial sequence


<220>

<223>  marqueur ESB

<400>  24
aatgtaaggg ggattagagt gattatggga gcagctaaag atgagagggg ctcagttttc     60

cgcaacacta aatctaaaaa gtattttggc ttcttactgt agagagcaga cctctacagg    120

aatcctacat tggaaaagag acccagaggt ctgcggttca ctgctgccac actgtctcac    180

atagtacctt tggagtaggc ctgacagaga gcacagggaa gcttcagaaa cctgtaattc    240

aagatttttat tttttgaga cgttctctct gatactgttc cccgccagcc ttttttaaaa    300

gtttgagaaa cttttcaagc tctgcaaaag gggacaaaga atttgccttg cagtgtgggg    360

atatgattga gcggcagtg                                                 379


<210>  25

<211> 251

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 25
gtggtaggtg actgaggagt gtggcaagtt tggtgctgtc aaccgtgtca tcatctacca      60

agagaagcag ggcgaggaag aggacgcgga gatcattgtc aagatttttg tggagttttc     120

cgtagcctct gagactcaca aggccatcca ggccctcaat gggcgctggt ttgctggccg     180

caaggtggtg gctgaagtgt atgaccagga gcgttttgat aacagtgacc tctctgcatg     240

acctccccc c                                                          251


<210> 26

<211> 290

<212> DNA

<213> artificial sequence


<220>

<223> marqueur ESB

<400> 26
gatcagtaca gctgccgagt gaaacacgtt actttggaac aaccccggat agttaagtgg      60

gatcgagacc tgtaagcagc accatcgaga tttgaacatt cttcatttgg tataatatct     120

ggaaaattct gtttccctgc tctttaatac tgatatgctt ttatgcttta tgcgcataat     180

cagaagtcat attcatgtta ccataaatac cttctttata attttaccgt gggtgctaca     240

tgtccatgtt tgaccttcct aggcaggtgt ctgcagtgga ggtccacaaa                 290